

# Geosyntec<sup>®</sup>

consultants

## SPECIFICATION COVER SHEET

**Client:** Gowanus Canal Remedial  
Design Group

**Project:** Gowanus Canal – 4<sup>th</sup> St  
Turning Basin Pilot Study –  
Dredging and Capping

**Project #:** HPH106A

**SPECIFICATION SECTION:** 01 33 00

**TITLE:** SUBMITTALS

**SPECIFICATION PREPARED BY:**  
(Specification Preparer, SP)

Signature



Name

Lauren Wellborn

5/19/2017

Date

**SCOPE AND FORMAT CHECKED  
BY:**  
(Scope and Format Checker, SFC)

Signature



Name

Jessica Fears

5/19/17

Date

**DETAILED REQUIREMENTS  
CHECKED BY:**  
(Detailed Requirements Checker, DRC)

Signature



Name

Darrell Nicholas

5/19/17

Date

**APPROVED BY:**  
(Specification Approver, SA)

Signature



Name

J.F. Beech

7 MAY 2017

Date

### Record of Revision (Number and initial all revisions)

Rev. No.	Reason	Date	By	Checked	Approval
0	TB4 Pilot Study Design – Issued for Bid	5/19/17	LSW	JMF	JFB

## **SECTION 01 33 00**

### **SUBMITTALS**

This page is intentionally left blank.



## SPECIFICATION COVER SHEET

**Client:** Gowanus Canal Remedial  
Design Group

**Project:** Gowanus Canal – 4<sup>th</sup> St  
Turning Basin Pilot Study –  
Dredging and Capping

**Project #:** HPH106A

**SPECIFICATION SECTION:** 01 33 00 **TITLE:** SUBMITTALS

**SPECIFICATION PREPARED BY:**  
(Specification Preparer, SP)

Signature

Name Lauren Wellborn

Date

**SCOPE AND FORMAT CHECKED  
BY:**  
(Scope and Format Checker, SFC)

Signature

Name Jessica Fears

Date

**DETAILED REQUIREMENTS  
CHECKED BY:**  
(Detailed Requirements Checker, DRC)

Signature

Name Darrell Nicholas

Date

**APPROVED BY:**  
(Specification Approver, SA)

Signature

Name J.F. Beech

Date

### Record of Revision (Number and initial all revisions)

Rev. No.	Reason	Date	By	Checked	Approval
0	TB4 Pilot Study Design – Issued for Bid	5/19/17	LSW	JMF	JFB

This page is intentionally left blank.

## **SECTION 01 33 00**

### **SUBMITTALS**

#### **PART 1 GENERAL**

##### **1.01 SUMMARY**

- A. This Section covers the requirements for submittals made during construction activities.

##### **1.02 RELATED SECTIONS**

- A. This section relates to all other sections of the Contract Documents.

##### **1.03 TYPES OF SUBMITTALS**

- A. Submittals include, but are not limited to, the following:
  - 1. Administrative Submittals including, but not limited to:
    - a. Meeting agendas;
    - b. Schedules;
    - c. Schedule of Values;
    - d. Project photographs;
    - e. Project Record Documents; and
    - f. Warranties and guarantees on work, equipment, and facilities.
  - 2. Technical Submittals including, but not limited to:
    - a. Manufacturer's specifications;
    - b. Engineering certifications; and
    - c. Catalogs, or parts thereof, of manufactured equipment.
  - 3. Contractor Work Plan Submittals including, but not limited to:
    - a. Site Preparation Work Plan;
    - b. Upland Excavation and Fill Work Plan;

- c. Dredged Sediment Management Plan;
  - d. Dredging Work Plan;
  - e. Cap Construction Work Plan; and
  - f. Dredge Water Treatment and Management Plan.
4. Transport and Waste Profile Submittals including, but not limited to:
- a. Weight tickets;
  - b. Waste profile sampling results; and
  - c. Transportation manifests.

#### **1.04 SUBMITTAL QUALITY**

- A. Submittals shall be electronic. The Contractor shall maintain hard copies of submittals for 1 year following the completion of Work. Draft and final versions of reports and similar work products shall be provided in Microsoft Office<sup>®</sup> suite document format and in Portable Document Format (PDF). Engineering Drawings and surveys shall be provided in AutoCAD<sup>®</sup> drawing format (.dwg) and as a PDF.
- B. Submittals shall be reproducible with every line, character and letter clearly legible, and usable for further reproduction to yield legible hard copies.
- C. Documents submitted to the Owner's Representative that do not conform to these requirements will not be accepted. If conforming submittals cannot be obtained, such documents shall be retraced, redrawn, or photographically restored as may be necessary to meet such requirements. Contractor's failure to initially satisfy the legibility and quality requirements will not relieve Contractor from meeting the required schedule for submittals.
- D. Submittals shall be complete with respect to design criteria and other information specified to enable the Owner's Representative to review the information effectively.

#### **1.05 LANGUAGE AND DIMENSIONS**

- A. All words and dimensional units shall be in the English language and units.
- B. Metric dimensional unit equivalents may be stated in addition to the English units and the associated requirements.

## **1.06 SUMMARY OF PROJECT SUBMITTALS**

- A. A summary of the major project submittals and the associated requirements will be provided in the 100% Design Package as Table 01 33 00-1. Additional submittals and requirements shall be provided as indicated by the Specifications or as requested by the Owner's Representative.

## **PART 2 PRODUCTS**

Not used.

## **PART 3 EXECUTION**

### **3.01 GENERAL REQUIREMENTS**

- A. The Contractor shall submit to the Owner's Representative submittals required by the Construction Documents, these Specifications, and any subsequent modifications.
- B. Items required to be submitted for review shall be furnished by and at the expense of the Contractor. Submittals and their contents shall be properly prepared, identified, and transmitted as provided herein or as otherwise directed.
- C. No construction materials or activities represented by required submittals shall be purchased or shall commence until the applicable submittal has been reviewed and approved, unless explicitly stated otherwise in writing by the Owner's Representative.
- D. Approval of submittals does not relieve the Contractor of their contractual obligations or responsibility for error and omissions within the submittal.

### **3.02 SUBMITTAL REVIEW TIME**

- A. Unless stated otherwise for a specific submittal herein, not less than 7 calendar days shall be assumed for the review of draft submittals and not less than 5 calendar days shall be assumed for the review of final submittals.
- B. Submittals that are subject to regulatory review, as indicated in Table 01 33 00-1, not less than 10 calendar days shall be assumed for the review of draft submittals and not less than 5 calendar days shall be assumed for the review of final submittals. The Owner's Representative will coordinate the review of Contractor submittals with regulatory agencies.
- C. Review of submittals by the Owner's Representative should not cause a delay in the implementation of the Work. The Contractor shall provide review time within the project schedule that will allow for review of draft and final submittals.



- D. Extension of the time for performance of the Work will not be granted because of the Contractor's failure to make timely and correctly prepared and presented submittals with allowance for the checking and review periods.

### **3.03 DEVIATIONS**

- A. At the time of the submission, the Contractor shall give notice in writing in the submittal of any deviation from the requirements of the Construction Documents. The deviations shall be clearly indicated or described including other changes required to correlate the Work.
- B. The Contractor shall state in writing variations in costs occasioned by the deviations and his assumption of the costs of related changes if the deviation is approved. Requirements set forth in Part 3.06 below also shall apply.

### **3.04 METHOD OF SUBMITTAL**

- A. The Contractor shall deliver submittals by means of dated, signed, and sequentially numbered transmittals identified as to initial or resubmittal status, and fully describing the submittal contents.
- B. In each transmittal, the Contractor shall state the Owner's project number and name, name and address of the Contractor, name and address of the subcontractor, manufacturer, supplier or distributor as applicable, and the Construction Drawing, Work Plan, and/or Specification section reference to which the submittal pertains.
- C. Where several types or models are contained in the product literature incorporated into the submittal, the Contractor shall delete nonapplicable portions or specifically indicate which portions are intended and applicable.
- D. Submittals directly from subcontractors, suppliers, or manufacturers are not acceptable.
- E. Incomplete submittals, including those not correctly transmitted, not correctly titled and identified, or not bearing the Contractor's review and approval stamp, will be returned to the Contractor without review.
- F. Except where the preparation of a submittal is dependent upon the approval of a prior submittal, all submittals pertaining to the same class or portion of the Work shall be submitted simultaneously if possible.

### **3.05 CONTRACTOR'S REVIEW AND APPROVAL**

- A. Every submittal shall bear the Contractor's review and approval stamp certifying that the Contractor has:
  - 1. Reviewed, checked, and approved the submittal;

2. Coordinated the contents with the requirements of the Work, the Construction Documents, and this Section including related activities;
  3. Determined and verified all quantities, field measurements, field construction criteria, materials, equipment, catalog numbers, and similar data; and
  4. Confirmed the activities covered by the submittal are recommended by the Contractor and the Contractor's guarantee will fully apply thereto.
- B. The Contractor's stamp shall be dated and signed by the Contractor in every case.

### **3.06 REVIEW AND APPROVAL**

- A. The approval of submittals shall not relieve the Contractor of responsibility for any deviation from the requirements of the Construction Documents or for any revision in resubmittals unless the Contractor has given notice in writing of the deviation or revision at the time of submission (or resubmission) and written approval has been given of the specific deviation or revision.

Possible outcomes of the review of each submittal are as follows:

1. Approved – Submittal is approved as submitted. Contractor may proceed.
  2. Accept Without Objection – The Owner's Representative will not approve the submittal, but will accept it if there are no objections upon review.
  3. Approved as noted – Submittal is conditionally accepted. Contractor may accept conditions and proceed, or resubmit alternatives for review.
  4. Revise and Resubmit – Significant changes are required in order for submittal to be accepted. Contractor may not proceed with activities regarding this submittal, but shall revise according to feedback and resubmit.
  5. Informational Submittal Only – The submittal will be reviewed but is for information only and not subject to approval.
- B. The approval of submittals shall not relieve the Contractor of responsibility for errors or omissions in the submittals or for the accuracy of dimensions and quantities, the adequacy of connections, and the proper and acceptable fitting, execution, and completion of the activities provided for by the submittals.

### **3.07 CORRECTIONS AND RESUBMITTALS**

- A. Unless otherwise agreed upon with the Owner's Representative, the Contractor shall make required corrections to a submittal within 5 calendar days or as specified elsewhere in the Specifications and shall resubmit the submittal to the Owner's Representative.

This process will be repeated until the submittal is approved by the Owner's Representative and other required parties.

- B. The Contractor shall direct specific attention in writing to revisions other than the corrections called for on previous submittals.
- C. The Contractor shall state, in writing, variations in costs and his assumption of the costs of related changes, as is required for deviations in Paragraph 3.03.
- D. Each resubmittal shall be identified with the number of the original submittal followed by "Rev. 1" for first resubmittal, "Rev. 2" for second resubmittal, and so forth until the submittal is ultimately approved.

### **3.08 CHECK OF RETURNED SUBMITTALS**

- A. The Contractor shall check returned submittals for correction and ascertain if the corrections result in extra costs to him above the costs included under the Construction Documents.
- B. If in the Contractor's opinion, extra costs result beyond the costs included under the Construction Documents, he shall give written notice to the Owner's Representative within 5 calendar days. By failing to so notify the Owner's Representative, the Contractor waives all claims for extra costs resulting from required corrections.

### **3.09 CONFORMANCE**

- A. The Work shall conform to the approved submittals and other requirements of the Construction Documents unless subsequently revised by an appropriate modification, in which case the Contractor shall prepare and submit revised submittals as may be required.

[END OF SECTION]

Table 01 33 00-1

Section Number	Section Name	Submittal Title	Deadline	Review and Approval
DIVISION 01 - GENERAL REQUIREMENTS				
01 32 00	Construction Progress Documentation	Preliminary Construction Schedule*	With bid	N/A
01 32 00	Construction Progress Documentation	Draft Final/Baseline Construction Progress Schedule*	At least 14 days prior to pre-construction meeting	A
01 32 00	Construction Progress Documentation	Revised Final/Baseline Construction Progress Schedule*	Approval of this schedule from the Owner's Representative must be received prior to start of work activities unless written approval to proceed granted. Target date for submittal is 7 days prior to pre-construction meeting.	A
01 32 00	Construction Progress Documentation	Construction Progress Schedules*	Biweekly following final/baseline submittal or as directed by the Owner's Representative	AWO
01 32 00 02 51 19 35 20 23.13 31 41 16 31 51 13	Construction Progress Documentation	Daily Progress Reports	Daily	AWO
01 32 00 35 20 23.13 35 43 00	Construction Progress Documentation	Weekly Progress Reports	Weekly	AWO
01 32 00	Construction Progress Documentation	Monthly Progress Reports	Monthly	AWO
01 35 29	Health, Safety, and Emergency Response Requirements	Project Safety Professional (PSP) and contractor Site Safety and Health Officer (SSHO) resumes	With bid	I
01 35 29	Health, Safety, and Emergency Response Requirements	Draft Site-specific Contractor Health and Safety Plan (HASP)	Within 7 days after NTP	Review and Comment
01 35 29	Health, Safety, and Emergency Response Requirements	Final Site-Specific Contractor HASP (including training records)	Within 5 days after receipt of Draft HASP comments	AWO
01 35 29	Health, Safety, and Emergency Response Requirements	New Contractor HASP or Addenda to Contractor HASP	Within 5 days after receipt of Final HASP comments	AWO
01 41 00	Regulatory Requirements	Copies of local, county or municipal permits obtained (including, but not limited to, street closure permit and hydrant permit)	7 days prior to start of Work	I
01 41 00	Regulatory Requirements	Copies of Correspondence with US Coast Guard (including Local Notice to Mariners)	7 days prior to start of Work	I
01 51 00	Temporary Utilities	Temporary Utilities Work Plan	Within 14 days after NTP	A
01 55 29	Cap Material Staging and Transport	Material Staging and Transport Work Plan	Within 45 days following NTP but not less than 30 days prior to use	A
01 57 13	Temporary Erosion and Sediment Control	Manufacturer's Product Data for Erosion and Sediment Controls	7 days prior to installation	A
01 57 13	Temporary Erosion and Sediment Control	Signed Contractor Certification	7 days prior to installation	I
01 57 13	Temporary Erosion and Sediment Control	SWPPP Team Contact Information	7 days prior to installation	I
01 57 13	Temporary Erosion and Sediment Control	Weekly Inspection Forms	Weekly	AWO
01 57 13	Temporary Erosion and Sediment Control	Copy of Compiled SWPPP Binder	Within 7 days after Contractor Demobilization	I
01 57 13	Temporary Erosion and Sediment Control	Certificates of erosion and sediment control training for Contractor personnel	7 days prior to installation	

Table 01 33 00-1

Section Number	Section Name	Submittal Title	Deadline	Review and Approval
01 57 19	Temporary Environmental Controls	Construction Noise Mitigation Plan	With Final Contractor HASP	A
01 57 19	Temporary Environmental Controls	Construction Air Emissions and Odor Control Plan	With Final Contractor HASP	A
01 57 19	Temporary Environmental Controls	Water Quality Control Plan	Within 30 days following NTP	A
01 57 19	Temporary Environmental Controls	Dust Control Plan	With Final Contractor HASP	A
01 57 19	Temporary Environmental Controls	Spill Prevention and Control Plan	With Final Contractor HASP	A
01 57 19	Temporary Environmental Controls	Decontamination Plan	Within 14 days following NTP	A
01 60 00	Product Requirements	Requests for Product Substitution, if desired.	14 days prior to intended use	A
01 71 23	Site Surveying and Grade Control	Surveyor's Calibration Documentation and Surveyor Notes	Include with the daily and weekly reports listed in 01 32 00 as applicable	AWO
01 71 23	Site Surveying and Grade Control	Surveyor's license information	Submit with reports/ as built drawings / sketches / survey	I
01 71 23	Site Surveying and Grade Control	Initial Record Survey Drawings <sup>+</sup>	Prior to beginning any earthmoving	A
01 71 23	Site Surveying and Grade Control	Intermediate Record Survey Drawings <sup>+</sup>	Within 7 days after Survey is Performed	AWO
01 71 23	Site Surveying and Grade Control	Final Record Drawings <sup>+</sup>	Prior to Final Acceptance of Project by Owner	A
01 78 00	Project Closure	Signed Warranties and Certifications	Prior to final payment request	I
01 78 00	Project Closure	Project Closeout Set of Drawings	Prior to final payment request	A
01 78 00	Project Closure	Record Documents	Prior to final payment request	A
01 78 00	Project Closure	Documentation of Punchlist	Prior to final payment request	I
01 78 00	Project Closure	Maintenance/Operation Manuals	Prior to final payment request	I
01 78 00	Project Closure	Documentation of Sytem Testing and Startups	Prior to final payment request	I
01 78 00	Project Closure	Final Payment Request	Submit final payment request following submittal of above referenced submittals	A
DIVISION 02 - EXISTING CONDITIONS				
02 22 00	Building Condition Assessment	Building Condition Assessment Work Plan	30 days prior to the start of Work	A
02 22 00	Building Condition Assessment	Baseline Building Condition Assessment Report	7 days prior to start of intrusive work	A
02 22 00	Building Condition Assessment	Interim Building Condition Assessment Report	Upon request of the Owner or Owner's Representative or if Contractor deems necessary	I
02 22 00	Building Condition Assessment	Post-Construction Building Condition Assessment Report	Following completion of the work scope, and prior to Contractor demobilization	A
02 51 19	Dredged Sediment and Waste Management	<b>Dredged Sediment Management Work Plan*</b>	Within 30 days following NTP but not later than 14 days prior to start of Work	A
02 51 19	Dredged Sediment and Waste Management	<b>Waste Management Work Plan*</b>	Within 14 days following NTP	A
02 51 19	Dredged Sediment and Waste Management	Transportation Plan	Within 30 days following NTP but not later than 14 days prior to start of Work	AWO
02 51 19	Dredged Sediment and Waste Management	Quality Assurance Project Plan	14 days prior to start of Work	AWO
02 51 19	Dredged Sediment and Waste Management	Asphalt Pad Management Plan	14 days prior to start of Work	A
02 51 19	Dredged Sediment and Waste Management	Transport and Waste Profile Submittals <sup>3</sup> for In-barge S/S Mixing	Within 24 hours of being acquired	I
02 51 19	Dredged Sediment and Waste Management	Transport and Waste Profile Submittals <sup>3</sup> for Off-site S/S Mixing	Within 24 hours of being acquired	I
02 51 19	Dredged Sediment and Waste Management	Transport and Waste Profile Submittals <sup>3</sup> for Off-site Thermal Treatment	Within 24 hours of being acquired	I
02 51 19	Dredged Sediment and Waste Management	Transport and Waste Profile Submittals <sup>3</sup> for End Placement	Within 24 hours of being acquired	I

Table 01 33 00-1

Section Number	Section Name	Submittal Title	Deadline	Review and Approval
02 60 16	Sediment and Flotables Containment	Plans and Specifications for Support Pilings	Within 14 days following NTP	A
02 60 16	Sediment and Flotables Containment	Plans and Specifications for Air Curtain	Within 14 days following NTP	A
02 60 16	Sediment and Flotables Containment	Plans and Specifications for Turbidity Curtain	Within 14 days following NTP	A
DIVISION 31 - EARTH WORK				
31 10 00	Site Preparation	Site Preparation Work Plan	Within 7 days following NTP	A
31 23 00	Upland Excavation and Fill	Proposed Sources of Offsite Fill	Prior to sampling	I
31 23 00	Upland Excavation and Fill	Name, Address and Qualifications of Independent Testing Lab	Prior to sampling	I
32 23 00	Upland Excavation and Fill	Results of Compaction QC Testing	Within 24 hours of being acquired	A
31 23 00	Upland Excavation and Fill	Results of Material Property and Analytical Chemistry Testing for Proposed Fill Materials	10 days prior to Start of Work	AWO
31 41 16	Sheet Pile Installation	Bulkhead Support Workplan	14 days prior to Start of Work	A
31 41 16	Sheet Pile Installation	Vibration Monitoring Workplan	14 days prior to Start of Work	A
31 41 16	Sheet Pile Installation	Baseline Existing Bulkhead Condition Survey	Prior to the start of sheet pile installation	A
31 41 16	Sheet Pile Installation	Daily survey of existing bulkhead	Daily, within 24 hrs of completing the survey	AWO
31 41 16	Sheet Pile Installation	Baseline Bulkhead Support Survey	Prior to the start of dredging activities	A
31 41 16	Sheet Pile Installation	Daily survey of installed bulkhead support	Daily, within 24 hrs of completing the survey	I
31 41 16	Sheet Pile Installation	Construction records of the bulkhead support	At end of bulkhead support construction, prior to dredging activities.	I
31 51 13	Tieback Anchor Installation	Tieback Anchor Installation Workplan	14 days prior to Start of Work	A
31 51 13	Tieback Anchor Installation	Wale Beam Installation Workplan	14 days prior to Start of Work	A
31 51 13	Tieback Anchor Installation	Tieback Construction Record	At end of bulkhead support construction, prior to dredging activities.	A
DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION				
35 20 23.13	Dredging and Dewatering	<b>Dredging Work Plan*</b>	Within 30 days following NTP but not later than 14 days prior to start of Work	A
35 20 23.13	Dredging and Dewatering	Surveys as required - weekly, after dredge, following backfill placement etc.	Within 48 hours following each survey event	AWO
35 43 00	Cap Construction	Cap Construction Work Plan	Within 45 days following NTP but not later than 30 days prior to start of Work	A
35 43 00	Cap Construction	Reactive Material Certification	30 days prior to placement of treatment layer	I
35 43 00	Cap Construction	Sand Material Characterization Reports	30 days prior to placement of granular capping layer	I
35 43 00	Cap Construction	Grain Size Distribution Results Reports	30 days prior to placement of granular capping layer	I
35 43 00	Cap Construction	QC Data Submittal	30 days prior to placement	AWO
35 43 00	Cap Construction	Report from Concrete Supplier	30 days prior to placement	AWO
35 43 00	Cap Construction	Surveys as required - levelin glayer, treatment layer, etc.	Within 48 hours following each survey event	AWO

Table 01 33 00-1

Section Number	Section Name	Submittal Title	Deadline	Review and Approval
35 43 00	Cap Construction	Calculations	Within 7 days following placement	A
DIVISION 44 - POLLUTION CONTROL EQUIPMENT				
44 08 40	Dredge Water Treatment	Dredge Water Treatment and Management Plan	Within 30 days following NTP but not later than 14 days prior to start of Work	A
44 08 40	Dredge Water Treatment	Daily Maintenance and Calibration Reports	As generated with daily reports	I
44 08 40	Dredge Water Treatment	Weekly Inspection Reports	As generated with daily reports	I
OTHER SUBMITTALS				
-	-	Access agreements	7 days prior to start of Work	I
-	-	Authorizations and certifications	As generated with daily reports	I

Notes:

1. All references to "days" are to be interpreted as "calendar days".
  2. Abbreviations: A – Approval Required; AWO – Accept Without Objections (i.e. the Owner’s Representative will not approve the submittal, but will accept it if there are no objections upon review); I – Informational Submittal Only (e.g. the submittal will be reviewed but is for information only and not subject to approval); N/A – Not Applicable
  3. Transport and Waste Profile Submittals include weight tickets (or equivalent records), waste profile sampling results, transportation manifests, and evidence of beneficial use end-placement as applicable.
- \*: Asterisks indicate submittals that are subject to regulatory review. The Owner’s Representative will coordinate the review of Contractor submittals with regulatory agencies.
- +: At completion of a survey, provide a copy of the field notes, drawings, or sketches to the Owner’s Representative for review. Allow the Owner’s Representative three (3) working days for review of surveys. If necessary, provide corrections within three (3) working days.